



Federal Implementation Guideline for Electronic Data Interchange

ASC X12 003040 Transaction Set 822 Customer Account Analysis

Implementation Convention



U.S. DEPARTMENT OF COMMERCE Technology Administration National Institute of Standards and Technology

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Reports on Information Technology

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822 Customer Account Analysis

Functional Group ID=AA

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Customer Account Analysis Transaction Set (822) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to transmit detailed balance, service charge and adjustment detail primarily from a bank to its corporate clients. However, this transaction set can also be used between or within corporations.

Notes:

Currency used throughout transaction set = US Dollars. All dollar entries shall be the correct amount, no commas used.

Heading:

Must Use	Pos. <u>No.</u> 010	Seg. <u>ID</u> ST	Name Transaction Set Header	Req. <u>Des.</u> M	Max.Use	Loop <u>Repeat</u>	Notes and Comments
					1		
Must Use	020	BGN	Beginning Segment	M	1		
Must Use	030	DTM	Date/Time/Period	M	3		nl
Must Use	040	N1	Name	M	1		n2
N/U	050	N2	Additional Name Information	0	2		
N/U	060	N3	Address Information	0	2		
N/U	070	N4	Geographic Location	0	1		
N/U	090	PER	Administrative Communications Contact	0	3		
			LOOP ID - RTE			13	
N/U	100	RTE	Rate Details	O	ilm mus arrennilasia menider 1	mentet i metrologici serbel di settembre estetu speriori più co	
N/U	105	DTM	Date/Time/Period	0	1		
N/U	110	CUR	Currency	0	1		

Detail:

	Pos. <u>No.</u>	Seg. <u>ID</u>	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - N1		500		
Must Use	010	N1	Name	М	1	The Atlanta Commence South Secretarian	n3
	020	N2	Additional Name Information	0	2		
N/U	030	N3	Address Information	Ο	2		
N/U	040	N4	Geographic Location	О	1		
N/U	060	PER	Administrative Communications Contact	О	3		
N/U	080	CUR	Currency	О	1		
			LOOP ID - ACT			5000	
	100	ACT	Account Identification	0	1		. — •
	105	ADJ	Adjustments to balances or services.	0	1000		
			LOOP ID - RTE			13	
	106	RTE	Rate Details	0	1		promode/figh
	107	DTM	Date/Time/Period	0	1		
			LOOP ID - BAL			100	
	110	BAL	Balance Detail	О	1		

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	120	AMT	Monetary Amount	0	25		111
N/U	130	DTM	Date/Time/Period	0	5		
			LOOP ID - SER	ilonera Francisco de Color		1000	7
	140	SER	Service Charges	0	1	till til kan kan salah sal Salah salah sa	
N/U	145	CTP	Pricing Information	0	99		
N/U	150	DTM	Date/Time/Period	0	5		

Summary:

	Pos.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	CTT	Transaction Totals	M	1	<u> жереа</u>	n4
Must Use	020	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

- 1. At least one DTM segment, for the period-ending date, must be used. Others are period-starting date and statement-issued date.
- 2. This N1 identifies the financial institution transmitting the account analysis.
- 3. This N1 is the receiver of the financial statement.
- 4. Number of line items (CTT01) is a count of the ACT segments.

Segment: ST Transaction Set Header

Position: 010

Loop:

Level: Heading Usage: Mandatory

Max Use:

Purpose: To indicate the start of a transaction set and to assign a control number

Syntax Notes:

Semantic Notes: 1 The transaction set identifier (ST01) used by the translation routines of the

interchange partners to select the appropriate transaction set definition (e.g., 810

selects the Invoice Transaction Set).

Comments:

			= <u> </u>		
	Ref.	Data			
	Des.	Element	<u>Name</u>	Att	<u>ributes</u>
Must Use	ST01	143	Transaction Set Identifier Code	M	ID 3/3
			Code uniquely identifying a Transaction Set		
			X12.25 Customer Account Analysis		
Must Use	ST02	329	Transaction Set Control Number	M	AN 4/9
			Identifying control number that must be unique within the t	ransa	ction set
			functional group assigned by the originator for a transaction	ı set	
			Transaction Set Control Number is assigned by the Origina	tor. I	t must be
			same value as Group Control Number at SE02.		

Segment: BGN Beginning Segment

Position: 020

Loop:

Level: Heading Usage: Mandatory

Max Use: 1

Purpose: To indicate the beginning of a transaction set
Syntax Notes: 1 If BGN05 is present, then BGN04 is required.
Semantic Notes: 1 BGN02 is the transaction set reference number.

BGN03 is the transaction set date.BGN04 is the transaction set time.

4 BGN06 is the transaction set reference number of a previously sent transaction

affected by the current transaction.

Comments: 1 BGN05 is the transaction set time qualifier.

	Ref.	Data		che Summai y				
	Des.	<u>Element</u>	<u>Name</u>		Attı	ributes		
Must Use	BGN01	353	Transaction Set Pu	ransaction Set Purpose Code				
			Code identifying pu	Code identifying purpose of transaction set				
			All original 822s mi	All original 822s must be "00". All replacement 822s must be "05".				
			00	Original				
			05	Replace				
Must Use	BGN02	127	Reference Number	•	M	AN 1/30		
		Reference number or identification number as defi						
			Transaction Set, or	as specified by the Reference Number Q	ualifi	er.		
Must Use	BGN03	373	Date		M	DT 6/6		
			Date (YYMMDD)					
			Date transaction set	t created.				
	BGN06	127	Reference Number		0	AN 1/30		
		*	Reference number or identification number as defined for a particu Transaction Set, or as specified by the Reference Number Qualifier USE for replacement 822 messages (BGN01 = 05). DO NOT USE for original 822 message (BGN01 = 00).					

Segment: DTM Date/Time/Period

Position: 030

Loop:

Level: Heading Usage: Mandatory

Max Use: 3

Purpose: To specify pertinent dates and times

Syntax Notes: 1 At least one of DTM02 DTM03 or DTM06 is required.

2 If either DTM06 or DTM07 is present, then the other is required.

Semantic Notes: Comments:

Data Element Summary

	Ref.	Data				
	Des.	Element	Name		Attı	<u>ributes</u>
Must Use	DTM01	374	Date/Time Qualifie	er	\mathbf{M}	ID 3/3
			Code specifying typ	e of date or time, or both date and time		
			Either 150 or 151 co	an be used by themselves or both can be	used	at the same
			150	Service Period Start		
			151	Service Period End		
	DTM02	373	Date		X	DT 6/6
			Date (YYMMDD)			

Last calendar day of statement month; date applies to all statements.

Segment: N1 Name

Position: 040

Loop:

Level: Heading Usage: Mandatory

Max Use:

Purpose: To identify a party by type of organization, name, and code Syntax Notes: 1 At least one of N102 or N103 is required.

At least one of N102 or N103 is required.
If either N103 or N104 is present, then the other is required.

Semantic Notes:

Comments:

1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

2 N105 and N106 further define the type of entity in N101.

Must Use	Ref. <u>Des.</u> N101	Data Element 98	Name Entity Identifier Code Code identifying an organizational antity a physical leastic	M	ributes ID 2/2
			Code identifying an organizational entity, a physical location BK Bank	11, 01	all illuividual
	N102	93	Name Free-form name	X	AN 1/35
	N103	66	Depository Name (822 Originator). Identification Code Qualifier	X	ID 1/2
			Code designating the system/method of code structure used Code (67) FRRC = Routing Transit Number (RTN).	for Io	dentification
			13 Federal Reserve Routing Code (FRRC)	
	N104	67	Identification Code Code identifying a party or other code Depository RTN including check digit (9 characters).	X	AN 2/17

Segment: N1 Name

Position: 010
Loop: N1
Level: Detail
Usage: Mandatory

Max Use:

Purpose: To identify a party by type of organization, name, and code

Syntax Notes: 1 At least one of N102 or N103 is required.

2 If either N103 or N104 is present, then the other is required.

Semantic Notes:

Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must

provide a key to the table maintained by the transaction processing party.

2 N105 and N106 further define the type of entity in N101.

	Ref. Des.	Data Element	Name	·	Attı	<u>ibutes</u>
Must Use		98	Entity Identifier C	Code	M	ID 2/2
			Code identifying an	n organizational entity, a physica	al location, or	an individual
			AO	Account Of		
	N102	93	Name		X	AN 1/35
			Free-form name			

Segment: N2 Additional Name Information

Position: 020
Loop: N1
Level: Detail
Usage: Optional

Max Use: 2

Purpose: To specify additional names or those longer than 35 characters in length

Syntax Notes: Semantic Notes: Comments:

	Ref.	Data	<i>_</i>		
	Des.		Name	Attı	ributes
Must Use	N201	93	Name	M	AN 1/35
			Free-form name		
	N202	93	Name	0	AN 1/35
			Free-form name		

ACT Account Identification Segment: 100 Position: ACT Loop: Detail Level: Usage: Optional Max Use: Purpose: To specify account information **Syntax Notes:** If either ACT03 or ACT04 is present, then the other is required. 2 If ACT05 is present, then ACT06 is required. 3 If ACT07 is present, then ACT05 is required. **Semantic Notes:** 1 ACT02 is the name of the account in ACT01. 2 ACT07 is the name associated with the account identified in ACT06. **Comments:** 1 ACT06 is an account associated with the account in ACT01. ACT08 indicates if the data for the account in ACT01 is used for billing or information purposes.

	Ref.	Data	Data Element Summary				
	Des.	Element	<u>Name</u>	Attributes			
Must Use	ACT01	508	Account Number	M	AN 1/35		
			Account number assigned				
			Individual Federal Agency Demand Deposit Account (DDA)) nun	ıber.		
	ACT02	93	Name	O	AN 1/35		
			Free-form name				
			Use standard Federal Agency Name and Program Name.				
	ACT03	66	Identification Code Qualifier	X	ID 1/2		
			Code designating the system/method of code structure used Code (67)	for I	dentification		
			FRRC = Routing Transit Number (RTN).				
			13 Federal Reserve Routing Code (FRRC)			
	ACT04	67	Identification Code	X	AN 2/17		
			Code identifying a party or other code				
			RTN including check digit (9 characters).				
	ACT08	107	Payment Method Code	O	ID 1/1		
	Code identifying type of payment procedures						
			I Invoiced Separately				

ADJ Adjustments to balances or services. Segment: Position: 105 **ACT** Loop: Level: Detail Usage: Optional Max Use: 1000 Purpose: To identify adjustments to account balances or service charges on the account **Syntax Notes:** If either ADJ08 or ADJ09 is present, then the other is required. If ADJ13 is present, then ADJ09 is required. If ADJ14 is present, then ADJ09 is required. 4 If ADJ15 is present, then ADJ09 is required. If either ADJ16 or ADJ17 is present, then the other is required. 5 1 ADJ02 is the adjustment amount. **Semantic Notes:** 2 ADJ03 is the adjustment to the average collected balance. 3 ADJ04 is the date of the original financial transaction. 4 ADJ05 is the date the adjustment was processed. 5 ADJ10 is the price change. ADJ11 is the old price. 7 ADJ12 is the new price. ADJ13 is the volume charge. 9 ADJ14 is the old volume. 10 ADJ15 is the new volume. 11 ADJ16 is the subservice identifier. 12 ADJ17 is the actual subservice number. Comments: 1 ADJ06 is recommended for float and ledger balance adjustments. ADJ08 and ADJ09 are needed to identify the product or service to which the adjustment applies. Adjustments may be made for service price and volume. Notes: Use "*" for ADJ10-ADJ12 for volume adjustments. *Use* "*" for ADJ13-ADJ15 for service price adjustments.

Data Element Summary

However, entries in both segment sets may be valid.

	Ref. Des.	Data Element	Name		Δtt	<u>ributes</u>
Must Use	ADJ01	952	Adjustment Appli	ication Code hich adjustment applies	M	ID 1/2
			F	Float		
			L	Ledger		
			S	Service Charge		
Must Use	ADJ02	782	Monetary Amount Monetary amount	t	M	R 1/15
			Service Adjustment	t amount in \$\$.cc.		
Must Use	ADJ03	782	Monetary Amount Monetary amount	t	M	R 1/15
Must Use	ADJ04	373	Date Date (YYMMDD)		M	DT 6/6
			Date of original tro	ansaction.		
Must Use	ADJ05	373	Date Date (YYMMDD)		M	DT 6/6
			Date adjustment w	as processed.		
	ADJ07	352	Description		O	AN 1/80
			A free-form descrip	ption to clarify the related data element	ts and th	heir content
			Free form descript	ion clarifying adjustment action.		
	ADJ08	235	Product/Service I	D Qualifier	X	ID 2/2
			Code identifying the Product/Service ID	ne type/source of the descriptive number (234)	er used	in

		Refer to 003040 Data Element Dictionary for acceptable	code va	lues.
ADJ09 234		Product/Service ID	X	AN 1/30
		Identifying number for a product or service		
ADJ10	610	Amount	0	N2 1/15
		Monetary amount		
		Dollar amount of service adjustment. Absolute dollars; r	10 nega	tive numbers.
ADJ11	610	Amount	0	N2 1/15
		Monetary amount		
		The per item service charge which is being adjusted. The item price of service in \$\$.cc format.	e prior s	tatement per
ADJ12	610	Amount	0	N2 1/15
		Monetary amount		
		The current Lockbox Depositary Agreement (LDA) price	per ser	vice in \$\$.cc
AD 112	380	format.	0	D 1/15
ADJ13	300	Quantity Numeric value of quantity	0	R 1/15
		Numeric value of quantity The true value of volume which is being adjusted. Absolu	140 3041300	haya. wa
		negative values.	ne num	bers, no
ADJ14	380	Quantity	0	R 1/15
		Numeric value of quantity		
		The reported value of volume for which the adjustment is	applica	ıble.
ADJ15	380	Quantity	0	R 1/15
		Numeric value of quantity		
		The correct value of volume applicable to the service adju	ustment	
ADJ16	128	Reference Number Qualifier	X	ID 2/2
		Code qualifying the Reference Number.		
		LB Lockbox		
ADJ17	127	Reference Number	X	AN 1/30
		Reference number or identification number as defined for Transaction Set, or as specified by the Reference Number Agency lockbox number affected by the adjustment.	-	

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Segment: RTE Rate Details

Position: 106
Loop: RTE
Level: Detail
Usage: Optional

Max Use: 1

Purpose: To specify the earnings, rates and multipliers for this account

Syntax Notes: Semantic Notes:

1 RTE03 is the analysis month net collected amount per \$1.00 service charge, net of reserves.

2 RTE04 is the number of days in the analysis month used in the application of the rate information

RTE05 is the number of days in the analysis year used in the application of the rate information.

Comments:

			Data Element Summary		
	Ref.	Data			
	Des.	Element	<u>Name</u>	Att	<u>ributes</u>
Must Use	RTE01	1387	Rate Qualifier	M	ID 1/2
			Code indicating the type of interest rate		
			Refer to 003040 Data Element Dictionary for acceptable co	de va	lues.
Must Use	RTE02	953	Interest Rate The interest rate as a percentage	M	R 1/6

Segment: DTM Date/Time/Period

Position: 107
Loop: RTE
Level: Detail

Usage: Optional

Max Use:

Purpose: To specify pertinent dates and times

Syntax Notes: 1 At least one of DTM02 DTM03 or DTM06 is required.

2 If either DTM06 or DTM07 is present, then the other is required.

Semantic Notes:

Comments:

			,		
	Ref.	Data			
	Des.	Element	Name	Att	<u>ributes</u>
Must Use	DTM01	374	Date/Time Qualifier	\mathbf{M}	ID 3/3
			Code specifying type of date or time, or both date and time		
			Refer to 003040 Data Element Dictionary for acceptable co-	de va	lues.
	DTM02	373	Date	X	DT 6/6
			Date (YYMMDD)		

Segment: BAL Balance Detail

Position: 110
Loop: BAL
Level: Detail
Usage: Optional

Max Use: 1

Purpose: To identify the specific monetary balances associated with a particular account

Purpose: Syntax Notes: Semantic Notes: Comments:

Must Use	Ref. Des. BAL01	Data Element 951	Name Balance Type Code Code indicating the type of balance	Att:	ributes ID 1/2
Must Use	BAL02	522	M Current Month Amount Qualifier Code	M	ID 1/2
Must Use	BAL03	782	Code to qualify amount Refer to 003040 Data Element Dictionary for acceptable co Monetary Amount	ode va M	lues. R 1/15
			Monetary amount		

AMT Monetary Amount Segment:

Position:

120 BAL Loop: Detail Level:

Usage: Max Use: Optional

25

To indicate the total monetary amount

Purpose: Syntax Notes: Semantic Notes:

Comments:

	Ref.	Data			
	Des.	Element	Name	Att	ributes
Must Use	AMT01	522	Amount Qualifier Code	M	ID 1/2
			Code to qualify amount		
			Refer to 003040 Data Element Dictionary for acceptable co	de va	lues.
Must Use	AMT02	782	Monetary Amount	M	R 1/15
			Monetary amount		

Segment: SER Service Charges

Position: 140
Loop: SER
Level: Detail
Usage: Optional
Max Use: 1

2

Purpose: To specify the details of the service charges levied

Syntax Notes: 1 At least one of SER03 or SER04 is required.

Semantic Notes: 1 SER03 is collected balance required (Account balance needed to compensate for

service charge).
SER04 is the service charge.

3 SER08 is the pricing structure.

4 SER09 is the method of compensation.

5 SER10 is the subservice identifier.

6 SER11 is the subservice number.

Comments:

Notes: Pricing for volume tiers shall be accurately portrayed in SER05 and SER06. No special ID Qualifiers are necessary for tiered pricing volume or service charge.

			Data Element Summary		
	Ref.	Data			
	Des.	<u>Element</u>	Name		ributes
Must Use	SER01	235	Product/Service ID Qualifier	M	ID 2/2
			Code identifying the type/source of the descriptive number Product/Service ID (234)	r used	ın
			Refer to 003040 Data Element Dictionary for acceptable c	ode va	ilijes
Must Use	SER02	234	Product/Service ID	M	AN 1/30
Widst Osc	DLINOZ	231	Identifying number for a product or service	171	111 1/50
	SER04	782	Monetary Amount	X	R 1/15
			Monetary amount		
			Total monthly charge for service in \$\$.cc format.		
	SER05	212	Unit Price	0	R 1/14
			Price per unit of product, service, commodity, etc.		
			Lockbox service price in \$\$.cc format.		
	SER06	380	Quantity	0	R 1/15
			Numeric value of quantity		
			Quantity = correct monthly volume for per item services.		
	SER07	352	Description	0	AN 1/80
		and t	heir content		
	SER08	236	Price Identifier Code	0	ID 3/3
			Code identifying pricing specification		
			STA Standard Price		
	SER09	107	Payment Method Code	0	ID 1/1
			Code identifying type of payment procedures		•
			I Invoiced Separately		
	SER10	128	Reference Number Qualifier	0	ID 2/2
			Code qualifying the Reference Number.		
			LB Lockbox		
	SER11	127	Reference Number	0	AN 1/30
			Reference number or identification number as defined for	•	
			Transaction Set, or as specified by the Reference Number		
			Federal Agency Lockbox number corresponding to the DL in ACT01.	A nun	iver identified
			III AC101.		

Segment: CTT Transaction Totals

Position: 010

Loop:

Level: Summary Usage: Mandatory

Max Use:

Purpose: T

To transmit a hash total for a specific element in the transaction set

Syntax Notes: 1 If CTT03 is present, then CTT04 is required.

2 If CTT05 is present, then CTT06 is required.

Semantic Notes:

Comments:

1 This segment is intended to provide hash totals to validate transaction completeness

and correctness.

	Ref.	Data			
	Des.	Element	<u>Name</u>	Attr	<u>ributes</u>
Must Use	CTT01	354	Number of Line Items	M	N0 1/6
			Total number of line items in the transaction set		
			Total # of accounts in 01.		

Segment: SE Transaction Set Trailer

Position: 020

Loop:

Level: Summary Usage: Mandatory

Max Use: 1

Purpose: To indicate the end of the transaction set and provide the count of the transmitted

segments (including the beginning (ST) and ending (SE) segments).

Syntax Notes: Semantic Notes:

Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

	Ref.	Data	·		
	Des.	Element	<u>Name</u>	Att	<u>ributes</u>
Must Use	SE01	96	Number of Included Segments	M	N0 1/10
			Total number of segments included in a transaction set inclusegments	uding	ST and SE
Must Use	SE02	329	Transaction Set Control Number Identifying control number that must be unique within the functional group assigned by the originator for a transaction Transaction Set Control Number identifies individual trans	n set	

The Control Number is maintained by the Originator. It must be the same as ST02.

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